

JOURN. :
CATEGORY :
ABS. JOUR. : RZhBiol., No. 1959, №. 11126
AUTHOR :
INST. :
TITLE :
ORIG. PUBL. :
ABSTRACT : roots is 44%; the remainder are dead; the length of the skeletal roots is from 342 cm (at the age of one year) to 625 cm at the age of 4 years. The complete cycle of the growth of the runners terminates in a year and a half. The life cycle of a strawberry plant by age is composed of the following periods: up to two years - an intensive growth of the runners, roots, leaves and flower stalks. Fruiting begins in the second year of life and reaches its maximum by the age of four years. At the age of 5 years, the fruit-bearing declines, the dying-off of
CARD: 2/4

COUNTRY :
CATEGORY :

ABS. JOUR. : PZhBiol., No. 1952, No. 11126

AUTHOR :
INST. :
TITLE :

ORIG. PUR. :

ABSTRACT : 1-3 year old branches begins. The differences in the varieties are observed according to the number of runners, skeletal roots, percentage of buds transforming into flower stalks, and the beginning of aging. On the condition of the removal of the flower stalks, a crowded planting increases the yielding ability of the plants but subsequently causes a decline in the amount and size of the berries. An early removal of the flower stalks intensifies their growth from the new buds which results in the lowering of the yield. Introduction into produc-

CARD: 3/4

-142-

CATEGORY :
ABS. JOUR. : RZhBiol., No. 1959, No. 11126

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : tion of crowded setting of the plants with the removal of the flower stalks, 12-14 water applications, early-spring cultivation and applications of P₂O₅ at the rate of 30 kilograms/ha, cultivations and supplementary feeding with N and K at the rates of 30 kilograms/ha during flowering, cultivations, weeding, and applications of NPK after harvesting - contributed to the increase in the yielding ability at the kolkhoz "Vtoroyi Pyatiletka" from 16.3 centners/ha in 1949 to 25.0-27.6 centners/ha in 1954. -- M. M. Smachkina

CARD: 4/4

PAPKOV, V.S.; BELOBORODOV, M.G., inzh.; ALEKSANDROVA, G.I.; NOVIKOV, S.P.,
starshiy normirovshchik. Prinimal uchastiye: FATEYEVA, T.M., inzh.;
BURAKOVA, T.K., tekhnik; SHTRUK, G.G., inzh., red.; EL'KIND, V.D.,
tekhn. red.

[General machinery industry time norms for use in connection with
the establishment of engineering norms for electrical work in the
manufacture of instruments; lot and small-lot production] Obshche-
mashinostroitel'nye normativy vremeni dlja tekhnicheskogo normiro-
vaniia elektromontazhnykh rabot v priborostroenii; seriinoe i melko-
seriinoe proizvodstvo. Moskva, Gos. nauchno-tekhn. izd-vo mashino-
stroit. lit-ry, 1961. 126 p. (MIRA 14:10)

1. Moscow. TSentral'noye byuro promyshlennyykh normativov po trudu.
2. Nachal'nik sektora sborochnykh i montazhnykh rabot normativno-
issledovatel'skoy organizatsii Gosudarstvennogo komiteta Soveta
Ministrov SSSR po sudostroyeniyu (for Papkov, Beloborodov, Aleksan-
drova, Novikov).

(Instrument manufacture) (Factory management)

B
FATEYEVIT, V.N.

Influence of Additions to Lead-Antimony Alloys on the Performance of the Plates of Lead Storage Batteries.
II. Investigation of the Kinetics of Corrosion. V. P. Meshcheryakov and A. Z. Lyandres. III. Overvoltage of Hydrogen on Alloys and Overvoltage of Oxygen on Oxidized Alloys. V. P. Mashovets and V. N. Fateeva. (In Russian.) *Zhurnal Prikladnoi Khimii* (Journal of Applied Chemistry), v. 21, May 1948, p. 441-455.

In Part II, the characteristics of a series of Pb-Cd alloys containing various small admixtures of Ag, Bi, As, Fe, and Zn with regard to their corrosion when used as storage-battery plates were determined. Lead containing no Cd, but 0.33% Ca, was also evaluated. The protective effect of Ag, the negative influence of Bi, and the harmful effect of Zn are indicated. Pb-Ca appeared to be slightly more stable than Pb-Cd. In Part III, results of overvoltage measurements using specially developed apparatus and a similar series of alloys to that tested in Part II are given. Data are tabulated and graphed. 11 ref.

Ely

(3)

6/3/54 P

State Sci.-Res. Storage Battery Inst.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

CLASSIFICATION INDEX

OPEN	MATERIALS INDEX	AUTHOR INDEX		SUBJECT INDEX
		1ST AND 2ND LETTER	3RD LETTER	
A	Al	A	A	Al
B	B	B	B	B
C	C	C	C	C
D	D	D	D	D
E	E	E	E	E
F	F	F	F	F
G	G	G	G	G
H	H	H	H	H
I	I	I	I	I
J	J	J	J	J
K	K	K	K	K
L	L	L	L	L
M	M	M	M	M
N	N	N	N	N
O	O	O	O	O
P	P	P	P	P
Q	Q	Q	Q	Q
R	R	R	R	R
S	S	S	S	S
T	T	T	T	T
U	U	U	U	U
V	V	V	V	V
W	W	W	W	W
X	X	X	X	X
Y	Y	Y	Y	Y
Z	Z	Z	Z	Z

FATEYEVA, V.V.; VENGRINOVICH, L.S.; KHROMOVAYA, T.N.; KALGASHKINA,
A.P.; NIKOLAYEVA, A.A.; FEVRALEVA, L.G.; otrv. red.

[Supplement to the final catalog on the availability of
meteorological data for the period of the IGY and IGC]
Dopolnenie k ekonometricheskomu katalogu nauchnykh
po meteorologii za period MCK-MGS. Moskva, 1964. 32 p.
(MIRA 18:8)

1. Mirovyy tsentr: dannyykh MGG B.

L 17764-63 EMT(d)/FCC(w)/BDS ASD/ESD-3/APCC/IJP(C) Pg-4/pk-4/po-4/pg-4 GG
ACCESSION NR: AT3001881 S/2906/62/000/000/0139/0149

AUTHORS: Aleksandridi, T.M.; Fateyeva, Ye.A.

75

TITLE: Transistorized digit-analog translator 16C

SOURCE: Kombinirovannyye vychislitel'nyye mashiny; trudy II Vsesoyuznoy konferentsii-seminara po teorii i metodam matematicheskogo modelirovaniya, Moscow, Izd-vo AN SSSR, 1962, 139-149

TOPIC TAGS: computer, translator, transistorized, transistor, digital, analog, digit-analog, analog-digit

ABSTRACT: The paper describes a transistorized digit-analog translator (T), constructed by the authors, which is intended for operation in industrial automation equipment and which serves for the linking of a digital computing machine with operating equipments. The T serves not only for the translation of a discrete quantity into an analog quantity, but also for the storage of the translated values for the time of a cycle, that is, the time between two successive switchings to a given control channel. The output of the T consists of a direct current of 0-5 ma which serves for the control of an electropneumatic drive. 1. Fundamental T circuitry: The block scheme of the T is described and shown schematically. The switching

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ACCESSION NR: AT3001881

circuit is based on that described by I. R. Harris (Direct-coupled transistor logic circuitry, IRE, Trans., v. EC9, no. 1, 1958). 2. Selection of T circuit parameters: The design of the T basically reduces to the selection of the magnitude of the current I_o for each of the digit circuits which, in essence, is specified by the requirement that the total current, in the event of each of the digits being unity, must not exceed a specified maximum value. The other unit parameters are then computed from I_o by the Harris method. 3. T-error analysis: The errors of the T circuit described are determined by the instability of the I_o currents, the scatter of the resistance values, and the changes of the various circuit parameters due to temperature changes. Each of these error sources is investigated separately, and the maximum error contribution of each source is explored. 4. Experimental results: A seven-digit mock-up of the T was tested. Maximum output current: 5 ma; stable current of a single digit, $I_o=5.9$ ma; resistance $R=500$ ohm. Total error at operating temperatures up to 40°C : 0.5%; up to 50°C : 0.8%. An appendix explains the reasonings leading to the determination of the greatest magnitude of the current I_o . Orig. art. contains 7 figures and 18 numbered equations.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 11Apr63

ENCL: 00

SUB CODE: CP, MM

NO REF SOV: 000

OTHER: 001

Card 2/2

FATEYeva, Ye. M.

"Certain Functional Changes in the Central Nervous System During Dysentery in Young Children." Cand Med Sci, Acad Med Sci USSR, Moscow, 1954. (KL, No 7, Feb 55)

SO: Sum No 631, 26 Aug 55 - Survey of Scientific and Technical Dissertation Defended at USSR Higher Educational Institutions.
(14)

FATIYEVA, Ye.M., kand.med.nauk

How to prevent hypotrophy. Med.sestra 17 no.3:42-44 Mr '58.
(MIRA 11:4)

1. Iz TSentral'nogo nauchno-issledovatel'skogo instituta
sanitarnogo prosveshcheniya Ministerstva zdravookhraneniya SSSR.
(CHILDREN--CARE AND HYGIENE)

FATEYEVA, Ye.M., kand.med.nauk

A child's weight. Zdorov'e 5 no.1:18-19 Ja '59 (MIRA 11:12)
(BODY WEIGHT)
(CHILDREN--CARE AND HYGIENE)

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412510008-0

PATENIEVA, Ye.M., kand.med.nauk

Mnmps. Zdorov'e 5 nr.12:22-23 D '59.
(MUMPS)

(MIRA 13:4)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412510008-0"

FATEYEVA, Ye.M., kand. med. nauk

Some functional disorders of the central nervous system in dysentery
in young children. Pediatriia 37 no.5:22-28 My '59. (MIRA 12:8)

1. Iz l-y terapeuticheskoy kliniki (zav. - prof. I.V. Tsimbler)
Instituta pediatrii AMN SSSR (dir. - chlen-korrespondent AMN SSSR
O.D. Sokolova-Ponomareva).

(DYSENTERY, BACILLARY, in inf. & child
CNS manifest. (Rus))

(CENTRAL NERVOUS SYSTEM, in various dis.
dysentery, bacillary, in inf. (Rus))

FATEYeva, Ye.M., kand.med.nauk

Giantism of the both feet associated with hemihypertrophy in a 6-year-old child. Pediatrilia 37 no.10:85-86 O '59. (MIRA 13:6)

1. Iz l-y terapevicheskoy kliniki (soveduyushchiy - prof. I.V. Tsimbler) Instituta pediatrii AMN SSSR (direktor - prof. O.D. Sokolova-Ponomareva).

(HYPERTROPHY AND HYPERPLASIA in inf. & child.)
(FOOT abnorm.)

FATEYEVA, Ye. M., kand.med.nauk

Fish oil. Zdorov'e 6 no.1:30 Ja '60.
(FISH OIL--THERAPEUTIC USE)

(MIRA 13:4)

FATEYEVA, Ye.M., kand.med.nauk

Nervous child. Zdorov'e 6 no.8:32 Ag '60.
(CHILDREN--CARE AND HYGIENE)

(MIRA 13:8)

FATEYEVA, Ye.M.; TATOCHENKO, V.K.

Problem of vitamin D-resistant rickets. Pediatriia 38 no.9:
51-58 S '60. (MIRA 13:12)

1. Iz otdela patologii detey rannego vozrasta (zav. - prof.
I.V.Tsimbler) Institut pediatrii AMN SSSR (dir. - chlen-korres-
pondent AMN SSSR prof. O.D. Sokolova-Ponomareva).
(RICKETS)

GRIGOROVSKIY, I.M., prof.; TALYBOVA, S.T., vrach (Baku); KONOVALOV, I.I.,
kand.med.nauk (Yessentuki); YARUSOVA, N.S., prof.; FATEYEVA, Ye.M.,
kand.med.nauk; GOLYAKHOVSKIY, V.Yu., kand.med.nauk

Health hints. Zdorov'e 7 no.8:30-31 Ag '61.
(HYGIENE)

(MIRA 14:9)

FATEYEVA, Ya.M., kand.med.nauk

Pale child. Zdorov'e 7 no. 4:26-27 Ap '61.
(ANEMIA)

(MIR 14:4)

FATEYEVA, Ye. M., kand. med. nauk; LEBEDINSKAYA, V. V.

"Hypotrophy of newborn infants"; clinical etiological observations. *Pediatriia* no. 4:3-8 '62. (MIRA 15:4)

1. Is kliniki rannego vozrasta (sav. - prof. I. V. Tsimbler)
Instituta pediatrii AMN SSSR (dir. - dotsent M. Ya. Studenikin)
i detskogo otdeleniya (sav. - kandidat meditsinskikh nauk Ye. Ch.
Novikova) Instituta akusherstva i ginekologii RSFSR (dir. -
prof. O. V. Makeyeva)

(INFANTS(NEWBORN)--GROWTH)

FATEYEVA, Ye. M., kand. med. nauk; ROSHAL', N. I.

Use of a preparation of royal jelly on children with chronic nutritional disorders. Pediatrilia no.4:15-19 '62.
(MIRA 15:4)

1. Iz kliniki patologii rannego vozrasta (zav. - prof. I. V. Tsimbler) Instituta pediatrii AMN SSSR (dir. - dotsent M. Ya. Studenikin)

(ROYAL JELLY)
(DEFICIENCY DISEASES)

FATEYEVA, Ye.M.; GINZBURG, M.B.; LARSKIY, E.G.; KRONSHTADTSKAYA-KAREVA, B.K.

-- Indications of nonspecific immunity in children in chronic nutrition disorders of varying etiology. Vop.ohmat. i det. 7 no.4:47-52 Ap '62. (MIRA 15:11)

1. Iz klinicheskogo otdeleniya rannego vozrasta (zav. - prof. I.V. Tsimbler) biokhimicheskoy laboratorii (zav. - prof. A.A.Titayev) i mikrobiologicheskoy laboratorii (rukoveditel' - starshiy nauchnyy sotrudnik Ye.K.Myeserova) Instituta pediatrii AMN SSSR. (CHILDREN—NUTRITION) (IMMUNITY)

FATEYEVA, Ye.M.; ROSHAL', N.I.

Use of royal jelly preparation in chronic digestive disorders
in children. Inform.biul.o mat.mloch. no.3:43~49 '62.
(MIRA 16:2)
1. Klinika patologii rannego vozrasta (zav. prof. I.B. TSimbler)
Instituta pediatrii Akademii meditsinskikh nauk SSSR (dir. -
dotsent M.Ya. Studepikin).
(ROYAL JELLY—THERAPEUTIC USE) (DIGESTION)

FATEYEVA, Ye. T.

380

Characteristics of some Kazakhstan energetic coals
M. I. Aksyukov and E. T. Fateeva (eds.)
KazSSR, S.N.R., Ser. ERGOTEL, No. 1, 02-1031053 (in Russian).—Tables of analyses are given for numerous samples
of coal taken from the Ekibastuzsk, Yablonovsk, Shubarsk,
and Shoptekulsk areas. From these typical
analytical characteristics were computed for the coal found
in the various strata of each region. J. A. Kravtsov

✓ 101

LPH

FAVORSKIY, V.V.; FATEYeva, Ye.T.

Problem of the so-called "internal" combustion of hard fuel. Izv. AN
Kazakh. SSR. Ser.energ. no.1:81-86 '59. (MIRA 12:11)
(Combustion)

REZNYAKOV, A. B.; FATEYEVА, Ye. T.; NAYBURGER, N. V.

Study of the combustion of a pulverized coal torch in a
special laboratory furnace. Izv. AN Kazakh. SSR. Ser. energ.
no. 2:83-94 '62. (MIRA 16:1)

(Coal, Pulverized) (Combustion)

KOLDAYEV, B.G.; TATEYEEVA, Z.M.

Studying the chemical stability of glass ampules. Med.prom. 11
no.1:26-32 Ja '57. (MLRA 10:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo
instrumentariya i oborudovaniya.
(GLASS) (MEDICAL SUPPLIES)

~~DATEYEV A, Z.M.~~

Electrode vessels for measuring pH in small amounts of liquid.
Med.prom. 12 no.6:27-30 Je '58 (MIRA 11:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut meditsinskogo
instrumentariya i oborudovaniya.
(LABORATORIES--EQUIPMENT AND SUPPLIES)
(HYDROGEN--ION CONCENTRATION)

SHEVKUNOVA, Ye.A.; PITSAK, M.V.; FATEYEVA, Z.S.

Data on the examination of humans and animals for toxoplasmosis in Stavropol Territory. Sov. med. 26 no.4:131-136 Ap '63. (MIRA 17:2)

1. Iz laboratorii toksoplazmoza (zav. - doktor biologicheskikh nauk D.N. Zasukhin) Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR i Stavropol'skogo protivochumnogo instituta (dir. - V.N. Ter-Vartanov) Kavkaza i Zakavkaz'ya.

ZAYTSEV, A.A.; FATEYEVA, Z.S.

Study of the sensitivity of cultures of *Francisella tularensis*
isolated in Stavropol Territory to antibiotics. Antibiotiki 9
no.12;1083-1085 D '64. (MIRA 18:7)

1. Stavropol'skaya krayevaya sanitarno-epidemiologicheskaya stantsiya
(glavnnyy vrach G.V.Shamrayeva).

FATEYeva, Z.T.

Theoretical considerations of the behavior of components in alumina materials when they are processed for the production of alumina. V. D. Ponomarev and Z. T. Fateyeva. Sborshik Nauch. Trudov. Ser. 1. Gorno-Met. Inst. 1953, No. 8, 253-65; Referat. Zhur. Khim. 1955, No. 24-10. --The behavior of $\text{Al}_2\text{O}_3\text{-SiO}_2$ mixts. when treated with H_2SO_4 for the production of basic Al sulfate was studied. A procedure was worked out for the removal of P from $\text{Al}_2(\text{SO}_4)_3$. The behavior of SiO_2 in Na_2SO_4 solns. was also studied. M. Hoseh

KAZOV, M.N.; FATEYEVA, Z.T.; PONOMAREV, V.D.

Possibility of the causticization of sodium solutions by slime
following the leaching of nepheline. Izv. vys. ucheb. zav.;
tsvet. met. 5 no.6:77-81 '62. (MIRA 16:6)

1. Kazakhskiy politekhnicheskiy institut, kafedra metallurgii
legkikh metallov.
(Leaching) (Sodium hydroxide)

KAZOV, M.N.; FATEYEVA, Z.T.; PONOMAREV, V.D.; AKHMETOV, S.F.;
NURMAGAMBETOV, Kh.N.

Optical crystallography and thermography for the analysis of
residues obtained in the treatment of nephelines by improved
hydrochemical methods. Izv. vys. ucheb. zav.; tsvet. met. 6
no.4:88-93 '63. (MIRA 16:8)

1. Kazakhskiy politekhnicheskiy institut, kafedra metallurgii
legkikh i redkikh metallov.
(Nephelite) (Leaching)

YESIRKEGENOV, G.M., dots., otv. red.; LEBEDEV, B.N., prof., red.;
SLUTSKIY, I.Z., dots., red.; SHOKOBAYEV, T.D., dots., red.;
BEGALIYEVA, Sh.G., dots., red.; FATEYEVA, Z.T., dots., red.

[Full treatment of complex metal ores; transactions of the
All-union Scientific and Technical Conference held in
December 1962] Kompleksnaia pererabotka polimetallichес-
kogo syr'ia; trudy Vsesoiuznoi nauchno-tehnicheskoi kon-
ferentsii, dekabr' 1962 g. Moskva, Metallurgiia, 1965.
423 p. (MIRA 18:6)

1. Alma-Ata. Kazakhskiy politekhnicheskiy institut.
2. Kazakhskiy politekhnicheskiy institut, Alma-Ata (for
Shokobayev, Yesirkegenov).

FATH, J.

FATH, J.

"Problems of Industrial Management in the Materials of the 19th Party Congress and in the Latest Statements by our Party Leaders!" P. 3.
(TOBBTERHELES, Vol. 7, No. 3, Mar. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 4,
No. 1, Jan. 1955, Uncl.

FATH, J.

FATH, J.

"Some Timely Theoretical and Practical Problems of Operative Planning
of Production"; P. 37. (TOBBTEFELÉS, Vol. 8, No. 8, Aug. 1954,
Budapest, Hungary)

SO: Monthly List of East European Accessions, (EEAL), IC, Vol. 4,
No. 1, Jan. 1955, Uncl.

FATH, J.

FATH, J.

"The Exhibition "From the Spinning Wheel to the Textile Combine", P. 41,
(TOBBTERELES, Vol. 8, No. 8, Aug. 1954, Budapest, Hungary)

SO: Monthly List of East European Acquisitions, (ETAL), LC, Vol. 4,
No. 1, Jan. 1955, Unclassified.

FATH, J.

Report of the Technical University. p. 7. TÓBBTERMÉS. Budapest.
Vol. 9, No. 8/9, Aug./Sept. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 6, June 1956

FATH, J.

Book on calculations used for planning and organization in machine factories: Zoltan Szendrcvits' SZAMITASOK A GEPCYARI TERVEZES ES SZERVEZES TARGYKOREEOI (Calculations Related to Planning and Organization in Machine Factories); a review. p. 35.
TOBBTERMELES. (Uzemri Tervgazdasagi es Szervezesi Tudomanyos Egyesulet) Budapest. Vol. 10, no. 4, Apr. 1956.
Survey of a Soviet economics book. p. 37.
Session of the committee of the Federation of Associations for Technology and Natural Sciences. p. 38.

SOURCES: EEAL - LC Oct. 1956. Vol. 5 No. 10

PLAKO, Ferenc; FILTH, Kazay; LECHNER, Gyula;

Increasing the durability of the electronic soldering device.
Gapgyartastechn. I. no. 9/354,357 D '61.

1. Orion Radio, Television and Electricity Enterprise.

BOBYLEV, I.P. (st.Aduy, Sverdlovskoy dorogi); ZYRYANOV, A.Ye. (st.Aduy,
Sverdlovskoy dorogi); MELUZOV, V.G. (st.Aduy, Sverdlovskoy dorogi);
SINTYURIN, F.T. (st.Aduy, Sverdlovskoy dorogi); TALIBULINA, R.G.
(st.Aduy, Sverdlovskoy dorogi); FATKHALISLAMOV, G. (st.Aduy,
Sverdlovskoy dorogi)

Inadmissible procedures. Put¹ put.khoz. 8 no.2:41 '64.
(MIRA 17:3)

L 3783-66 EWT(m)/EWP(1)/EWP(t)/EWP(b) JD

ACCESSION: AP5014136

UR/0365/65/00o/003/0308/0313 36

621.357.7

669.73

33
BAUTHOR: Fatkha Alla, M. I.; Kudryavtsev, N. T.; Tyutina, K. M.

94,55 99,55 44,55

TITLE: Electrolytic cadmium plating from non-cyanic complex electrolytes

44,55 16

SOURCE: Zashchita metallov, v. 1, no. 3, 1965, 308-313

TOPIC TAGS: cadmium, metal plating, electroplating, electrolyte

ABSTRACT: Thirteen non-cyanic electrolytes for cadmium plating are compared for quality of cathodic deposition, yield with respect to current, cathode polarization and scattering power. The compositions of these electrolytes and electrolysis conditions are shown in table 1 of the Enclosure. The highest uniformity in deposition thickness was obtained when electrolytes based on α -aminoacetic acid (glycocolic) or Trilon "B" are used or when the coating is produced by ammonium electrolytes. Cathode polarization curves are given for the various electrolytes tested. The curves for electrolytes No. 5, 7 and 12 show more of an inclination toward the x -axis (cathode potential) than do the others. The cathode potentials in electrolytes based on Trilon "B" come close to the cadmium electrodeposition potentials of cyanic electrolytes. Cadmium electrodeposition from electrolyte No. 7 takes place

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ACCESSION NR: AP5014136

3

at higher positive potentials than in cyanic solutions, but cathode polarization is high, reaching about 180 mv at a current density of 1 a/dm². Cadmium deposition from ammoniate electrolytes takes place at a considerably weaker cathode polarization, about 100 mv at 1 a/dm². If the metal yield with respect to current increases with current density, distribution of the metal on the cathode surface becomes less uniform and vice versa. The yield with respect to current falls sharply as the current density is increased in a Trilon electrolyte, which considerably improves the distribution of metal on the cathode surface at current densities greater than 1 a/dm². Curves for pH as a function of the quantity of acid or alkali added to the solution show that electrolytes No. 5, 7 and 12 have excellent buffer properties. A new electrolyte is developed based on glycocoll (no. 7 in table 1 of the Enclosure). This solution produces fine-grained uniformly thick cadmium coatings. The scattering power of this new electrolyte is considerably better than that of acid solutions, somewhat better than that of ammoniate electrolytes and close to that of cyanic solutions. Orig. art. has: 6 figures, 1 table.

ASSOCIATION: Khimiko-tehnologicheskiy institut im. D. I. Mendeleyeva (Chemical Engineering Institute)

SUBMITTED: 03Nov64

4155

ENCL: 01

SUB CODE: MM, GC

NO REF Sov: 008

OTHER: 000

Card 2/3

L 3783-66

ACCESSION NR: AP5014136

ENCLOSURE: 01

TABLE 1

Components (g/l) and conditions of electrolysis	Electrolyte No.												
	1	2	3	4	5	6	7	8	9	10	11	12	13
CdSO ₄ ·8H ₂ O	64	100	—	—	—	—	—	—	—	128	64	—	48
Cd(BF ₄) ₂	—	—	143	—	—	—	—	—	—	—	—	—	—
CdCl ₂ ·2H ₂ O	—	—	—	32	40	16	40	—	80	—	—	32	—
CdO	—	—	—	—	—	—	—	—	40	—	—	—	—
HBF ₄	—	—	35	—	—	—	—	—	—	—	—	—	—
Al ₂ (SO ₄) ₃ ·18H ₂ O	28	20	—	—	20	20	—	—	—	—	—	—	—
H ₂ BO ₃	—	—	—	—	—	—	—	—	—	—	—	—	—
(NH ₄) ₂ SO ₄	83	—	—	—	300	—	—	—	—	—	—	—	—
NH ₄ F	—	—	—	—	—	—	—	—	—	—	—	—	—
NH ₄ Cl	—	—	—	—	—	—	—	—	—	—	—	—	—
Glycocol ₁	—	—	—	—	—	—	—	—	—	—	—	—	—
Tetraion ^B	—	—	—	—	—	—	—	—	—	—	—	—	—
Ethylene diamine (basic)	—	—	—	—	—	—	—	—	—	375	112	280	75
Monoethanol amine ^A	—	—	—	—	—	—	—	400	400	—	—	—	—
(75%) m/17	—	—	—	—	—	—	—	—	—	—	—	—	—
KOH	—	—	—	—	—	—	—	—	—	—	—	—	20
NaOH	—	—	—	—	—	—	—	—	—	—	—	—	—
NaCl	—	—	30	—	—	—	—	58	—	—	40	58	—
Thiourea	—	—	—	—	2,5	2,5	2,5	2,5	—	—	—	—	—
Joiner's glue	0,5	1	1	—	1	1	1	1	1	—	—	—	—
Dextrin	—	—	—	10	—	—	—	—	—	—	—	—	—
pH	—	4	2	7-8	7-8	7-8	7-8	8-9	8-9	8-9	11	11	4-5
Current density	—	1	3	0,7	0,7	0,5	1	1	1	1	10	10	a/dm ²

Card 3/3

L 02334-67 RDP(m)/RDP(t)/STI LIP(c) JD
ACC NR: AP6030631

SOURCE CODE: UR/0413/66/000/016/0127/0128

INVENTOR: Kudryavtsev, N. T.; Tyutina, K. M.; Fatkh, A. M. I.

31
B

ORG: none

21 21

TITLE: Method of electrolytic deposition of tin-cadmium alloy. Class 48,
No. 185173 [announced by Moscow Chemical Technological Institute im. D. I.
Mendelyev (Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966,
127-128

TOPIC TAGS: electrolytic deposition, tin alloy, cadmium alloy

ABSTRACT: An Author Certificate has been issued for a method of electrolytic deposition of tin-cadmium alloy at room temperature. To increase the dispersive power of the electrolyte and to obtain dense depositions of fine-crystalline structure, the process is carried out in a solution containing: 0.3--0.4 H tin chloride, 0.5 H cadmium chloride, 1.2 H ammonium fluoride, 1 g/l carpenter's glue, and 10 g/l phenol at pH 2.5--4.0 and a 1.0--2.0 amp/dm² current density. [Translation] [NT]

SUB CODE: 11/ SUBM DATE: 05May64/

ns
Card 1/1

UDC: 621.357.7:669.6'73

FATKH ALLA, M.I., TYUTINA, K.M.; KUDRYAVTSEV, N.T.

Effect of pH on the cathodic process during the electrodeposition
of cadmium from sulfate ammoniate electrolytes. Izv. vys. ucheb.
zav.; khim. i khim. tekhn. 8 no.1:99-103 '65. (MIRA 18:6)

I. Moskovskiy khimiko-tehnologichesk'y institut imeni
Mendelejeva, kafedra tekhnologii elektrokhimicheskikh proizvodstv.

ABOLINA, G.I., doktor biologicheskikh nauk; FATKHULLAYEV, D.Z.

Effectiveness of manure-soil composts in the Sierozems of Uz-
bekistan. Zemledelie 25 no.10:66-68 O '63. (MIRA 16:11)

1. Institut ovoshche-bakhchevykh kul'tur i kartofelya.

"APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412510008-0

FATKHULLAYEV, I.

Effect of strophantin and olitoriside on the activity of
cholinesterase. Trudy Inst. kraev. eksper. med. no.4:84-87'62.
(CARDIAC GLYCOSIDES) (CHOLINESTERASES) (MIRA 16:10)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412510008-0"

FATKHULLAYEV, I.

Toxicology and pharmacology of bugloss. Uzb. biol. zhur. 6 no.2:
53-55 '62. (MIRA 15:4)

1. Institut krayevoy eksperimental'noy meditsiny AN UzSSR.
(UZBEKISTAN--BUGLOSS)

PATYNA, I. V.

Effect of L-trehalose on the differentiation of muscle cells
cultured in experimental myogenesis. Dokl. Akad. Nauk SSSR
no. 67(13-715) N.s. 165.

I. Patynina Terehalozii (av. s. 165) -
Vsesoyuznyj institut tekhnicheskikh issledovanij i proizvodstva
tekhnolog. Moshch i laboratoriya fizich. i med. eksploracii
doct. med. nauk N.S. Kostylevyyj. Ural'skij nauchno-tekhnicheskiy
rezerv meditsiny AMN S.S.R. Tashkent.

1-23869-66
ACC NR: AP6013993

SOURCE CODE: UR/0242/65/000/007/0026/0028

20
B

AUTHOR: Fatkhullayev, I.

ORG: Laboratory of Pharmacology/Headed by Prof. A. D. Turova/, All-Union Scientific Research Institute of Medicinal and Aromatic Plants (Laboratoriya farmakologii Vsesoyuznogo nauchno-issledovatel'skogo instituta lekarstvennykh i aromaticheskikh rasteniy); Laboratory of Pharmacotherapy/Headed by N. S. Kel'ginbayev, Doctor of Medical Sciences/, Uzbek Institute of Regional Medicine, AMN SSSR (Laboratoriya farmakoterapii Uzbekskogo instituta krayevoy meditsiny AMN SSSR)

TITLE: Effect of erysimoside on diuresis and the elimination of chlorides in experimental myocarditis

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 7, 1965, 26-28

TOPIC TAGS: rabbit, drug effect, cardiovascular system

ABSTRACT: Nineteen rabbits, nine of them controls, were used to determine the effect of erysimoside, a Soviet cardiac glycoside, on diuresis and elimination of chlorides with urine from the organism in experimental myocarditis. The disease was induced in the animals by the generally accepted Gruber, Ochs, and Blades method (1933). The experimental animals were administered erysimoside in doses of 0.03 milligrams per kilogram body weight into a vein of the ear, once in 24 hours, for a period of 28 days, beginning with the 8th day after the animals received theophylline and adrenaline. The control animals received a physiological solution only. Daily diuresis and elimination of chlorides with the urine were determined up to and on the

Card 1/2

L 22889-36

ACC NR: AP6013993

14th, 21st, 28th, and 35th days after myocarditis was induced in the animals. At the end of the experiment the animals were sacrificed, and the heart, liver, and renal organs were histologically examined. The data obtained in the experiments established that diuresis and the elimination of chlorides with urine decreased in the control animals sacrificed on the 28th and 35th days; both, however, increased in the experimental animals which were administered erysimoside. A gradual increase in the weight of the control animals, apparently due to the accumulation of liquids in the organism because of decreased diuresis, was noted. The weight of the animals which received the glycoside changed very little. The increase in diuresis and the elimination of chlorides from the organism is probably due to the tendency of the glycoside to restore circulation disturbed by myocarditis to normal and thus alleviate cardiac insufficiency. Pathological modifications of the internal organs (heart, liver, and renal organs) were manifested to a considerable lesser degree in the experimental than in the control animals. [JPRS]

SUB CODE: 06 / SUBM DATE: 23Sep64

Card 2/2 3LG

L'25057-65 EEO-2/EWG(j)/EWT(d)/FBD/FSF(h)/FSS-2/EWG(r)/EWT(1)/EEC(a)/
EWP(m)/FS(v)-3/EEC(j)/EEC(k)-2/EEC(r)/EWG(v)/EWA(d)/EWG(a)/EEC(c)-2/EWG(c)/
FS(b) Pb-4/Pn-4/Po-4/Pd-1/Pe-5/Pq-4/Pac-4/Pg-4/Ph-4/P1-4/Pk-4/P1-4/Pae-2
IJP(c) AST/TT/GW/BC

ACCESSION NR: AT5003215

8/3124/63/001/000/0071/0086

106
103
B+1

AUTHOR: Fatkullin, E. F.

TITLE: The orientation of artificial earth satellites

SOURCE: Moscow. Universitet druzhby narodov. Trudy, v. 1, 1963. Teoreticheskaya
mekhanika (Theoretical mechanics), no. 1, 71-86

TOPIC TAGS: artificial earth satellite, satellite orientation, satellite stabilizer,
flywheel stabilizer, Lyapunov method, motion stability, small perturbation

ABSTRACT: Among three possible methods for the production of correcting moments in satellites (small reactive motors, accelerated flywheel rotation, active gyroscopic stabilizers), the flywheel approach utilizing solar energy seems to be the most appropriate for prolonged flights. The present work investigates the stability of a prescribed satellite orientation within an inertial space when the stability is maintained by means of three mutually perpendicular accelerated flywheels. The study is carried out by means of the second Lyapunov method. The derivation of the perturbed motion equation is followed by the derivation of the Lyapunov function for the especially critical case and the study of the stability of unperturbed mo-

Card 1/2

L 25057-65

ACCESSION NR: AT5003215

tion leading to the sufficient stability conditions for the unperturbed motion. The region of initial perturbations is also determined. Orig. art. has: 40 formulas and 2 figures.

ASSOCIATION: Universitet druzhby narodov imeni Patrisa Lumumby (Peoples friendship university)

SUBMITTED: 00

ENCL: 00

SUB CODE: SV, NG

NO REF SOV: 003

OTHER: 001

Card 2/2

L 25056 -65 EWT(d)/FBD/FSS-2/EWT(1)/EEC(a)/EWP(m)/FS(v)-3/EEC(j)/EEC(k)-2/
EEC(r)/EWG(v)/EWA(d)/FS(b) Po-4/Po-5/Pq-4/Pg-4/Ph-4/Pk-4/Pk-4/Pae-2

ACCESSION NR: AT5003216 IJP(c) GW/BC/AST S/3124/63/001/000/0087/0089

78
B-1
B-1

AUTHOR: Fatkullin, E. F.

TITLE: Analytic design of a control system for the orientation of rigid bodies

SOURCE: Moscow. Universitet druzhby narodov. Trudy, v. 1, 1963. Teoreticheskaya mehanika (Theoretical mechanics), no. 1, 87-89

TOPIC TAGS: satellite orientation, satellite stabilizer, flywheel stabilizer, motion stability, optimum control, orientation control, artificial earth satellite

ABSTRACT: Starting from the differential equations derived earlier for the perturbed motions of bodies with one fixed point and three control flywheels (E. F. Fatkhullin, Trudy Universiteta druzhby narodov im. Patrisa Lumumby, vol. 1, Teoreticheskaya mehanika, 1963, no. 1), the author calculates the optimum alternative (in the sense of a minimum integral quadratic deviation) for the control of the linearized system. He notes that the use of the linearized system cannot lead to exact solutions, and consequently, the solutions for the nonlinear system presented in the quoted reference are clearly superior and always acceptable. Orig. art. has: 8 formulas.

Card 1/2

L 25056-65

ACCESSION NR: AT5003216

ASSOCIATION: Universitet druzhby narodov imeni Patrisa Lumumbi, Moscow (Peoples
friendship university)

SUBMITTED: 00

ENCL: 00

SUB CODE: SV, NG

NO REF Sov: 002

OTHER: 000

Card 2/2

ACC NR: AR0034722

SOURCE CODE: UNIVISI

AUTHOR: Fatkullin, E. F.

TITLE: Stabilization of the relative motion of a platform

SOURCE: Ref. zh. Mekhanika, Abs. 8A60

REF SOURCE: Tr. Kazansk. aviats. in-ta, vyp. 87, 1965, 96-107

TOPIC TAGS: motion stability, automatic control, gyrostabilizer, two stage stabilizer, stabilizer

ABSTRACT: A monoaxial stabilizer system is analyzed which uses a two-stage gyrostabilizer and an inertial flywheel as the slave mechanism. A fixed-end conditional-extremum variational problem is solved to obtain the optimum law of control; the stability of a nonlinear system with the controller operating according to this is analyzed. The control function $u(t)$ is determined by the maximum method, which provides the most rapid approach of the platform to zero position $\alpha = \dot{\alpha} = 0$ from a point in the phase plane $\alpha_0 \dot{\alpha}_0$, while the limitation $|u(t)| \leq u_m$ is imposed on the function $u(t)$. A method of synthesis of the optimum system is given for a transitional process with small disturbances. V. I. Andrushov.

[Translation of abstract]

[NT]

Card 1/1

SUB CODE: 13/

FATKHUTDINOV, Kh.N., aspirant

Index of labor productivity in geophysical work. Izv. vys.
ucheb. zav.; geol. i razv. 8 no. 12:138-140 D '65
(MIRA 19:1)

1. Moskovskiy geologorazvedochnyy institut imeni S. Ordzhonikidze.

KOZLOV, L.M.; KHANNANOV, T.M.; SAFIN, R.R.; LEYTMAN, L.D.; FATKHUTDINOVA, Sh.G.

Plasticization of rubber compounds with nitroparaffins and their
derivatives. Trudy KKHTI no.30:101-108 '62. (MIRA 16:10)

FATHY, F.

ACTA PHYSICA
Academiae Scientiarum Hungaricae
Vol VIII, Nos 1-2, 1957

ELEMENTARY METHOD FOR THE CALCULATION
OF THE LATTICE ENERGIES OF THE NaCl CRYSTAL. I.

By

F. FATHY and F. BUKOVSZKY

INSTITUTE FOR EXPERIMENTAL PHYSICS OF THE UNIVERSITY FOR BUILDING SCIENCES, BUDAPEST

(Presented by I. Kovács. — Received VIII. 3. 1957)

Developing the Koessel theory and model of crystal growth the authors give an elementary method to compute the lattice energies of hexagonal, heteropolar crystals. The method leads in a simple way to the correct value of the Madelung constant.

Calculation of the lattice energies of the sodium chloride crystal. I. F. Páthy and E. Bokovszky (Inst. Exptl. Phys. Univ. Szeged Sci., Budapest). Acta Phys. Acad. Sci. Hung. 8, 89-107 (1957) (in English).—Kossel's assumptions of crystal growth (C.A. 22, 2090, 4292; 50, 9083a) are used to calc. the binding energies of the perfect heteropolar crystal by the method of arithmetic means by direct summation. Numerical work is reduced by the introduction of an asymptotic formula. A value of 1.74756 is obtained for the Madelung const. (1.7478 universally accepted).

W. A. Van Hook

27
4



HUNGARY/Solid State Physics - Solid State Theory. Crystallography. E

Abs Jour : Ref Zhur Fizika, No 9, 1959, 20191

Author : Fathy, Ferenc; Bukovszky, Ferenc

Inst : -
Title : Elementary Method of Calculating the Lattice Energy
of NaCl Crystals.

Orig Pub : Magyar fiz. folyoirat, 1958, 6, No 5, 453-475

Abstract : No abstract.

Card 1/1

FATHY, E. & EUKOVSKY, F.

"Elementary method for the calculation of the lattice energy of the NaCl crystal. II." In English. p. 275.

ACTA PHYSICA. (Magyar Tudomanyos Akademia). Budapest, Hungary, Vol. 9, No. 3, 1959.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 8,
August 1959.
Unclu.

FATI, A.; KHAMDI, Kh.

Colloidal and chemical properties of humus composts.
Pochvovedenie no.8:88-92 Ag '61. (MIRA 14:11)

1. Saratovskiy gosudarstvennyy pedagogicheskiy institut.
(Compost)

FATIKOV, R.F.

IVANKOV, L.I.; KULIKOVSKIY, A.S.; MLADENSEV, G.D.; MARKELYUN, L.F.;
FATIKOV, R.F.

Geological characteristics of the Dzhezkazgan deposit and new
facts obtained by the mining geological service. Trudy Inst. geol.
AN Kir. SSR no.9:253-263 '57. (MIRA 11:4)
(West Kazakhstan Province--Ore deposits)

FATIKOV, R.F. (Rudnik Dzhezkazgan, Kazakhskaya SSR)

Belated spring of 1964. Priroda 53 no.7:125 '64. (MIRA 17:7)

FATIROVA, L. P.

Chemistry + Physics

Determination of pH of crocus suspension. N. K. DERTOV,
L. E. ZLOTNIK, AND L. P. FATIROVA. *Steklo i Keram.*, 10 [2]
17-18 (1953).—The Kolthoff colorimetric method was used satisfactorily. Four test tubes are filled with 10 ml. each of solution from the filtered suspension, and neutral red, methyl red, methyl orange, and tropeolin OO indicators are added. Standard solutions contain mixtures of FeCl_3 and cobalt nitrate. The compositions of the indicators and standard solutions are given.

FATIN, A.F.

Universal apparatus for application of hexenal anesthesia. Vopr.
neirokhir. no.1:49-52 Jan-Feb 51. (CIML 20:8)

1. Of the Laboratory of Pathophysiology (Head—Prof. V.A. Negevskiy),
Institute of Neurosurgery imeni N.N. Burdenko (Director—Prof. B.G.
Yegorev, Corresponding Member of the Academy of Medical Sciences USSR)
of the Academy of Medical Sciences USSR, Moscow.

FATIM, I.

"The training of glider pilots during winter. Tr. from the Russian." p. 12
Meteorological vocabulary for young pilots. (To be contd.) p. 13 Gliding. p. 15
KUSZAKI LÁSZLÓ; KÖRNYÉK, CIRKUS, ALK. INGYEPAR. Vol. 7, no. 2, Feb. 1954,
Budapest, Hungary.

DO: Monthly List of East European Accessions, LC, Vol. 3, No. 4, April 1954

Fatin, P.
AID P - 3596

Subject : USSR/Aeronautics
Card 1/1 Pub. 58 - 13/26
Author : Fatin, P.
Title : Practical notes on the use of motor-assisted take-off
in winter
Periodical : Kryl. rod., 11, 17, N 1955
Abstract : The author describes the adaptation of motorcycles for
the assisted take-off of gliders in winter in deep snow.
Diagrams.
Institution : None
Submitted : No date

DYKOVA, H.; PRESL, J., ^{cand. lek. ved.}:POSPISIL, J.; KLETECKA, P., Technicka
spoluprace: Hejna, A., Fatinova, B.

Tissue reactions to certain types of suture material in rats. Cesk.
gyn. 24[38] no.9:716-722 Nov. 1959.

1. Ustav pro peci o matku a dite v Praze-Podoli, reditel prof. dr.
J. Trapl.
(UTERUS, surg.) (SUTURES)

PHASE I BOOK EXPLOITATION SOV/3699

Goryachev, A.P., S.M. Yegorov, I.S. Fatiyev, and V.A. Semenov

Argono-dugovaya svarka i payka titana (Argon Arc Welding and
Soldering of Titanium), Leningrad, 1957. 34 p. (Series:
Informatsionno-tehnicheskiy listok, No. 80-81. Svarka i
payka metallov) 6,200 copies printed.

Ed.: Z.M. Ryzhik, Engineer; Tech. Ed.: T.B. Klopova.

PURPOSE: This book is intended for welders.

COVERAGE: Manual and automatic methods of welding titanium
with and without filler metal are explained. Soldering and
brazing methods are discussed and fluxes and protective gases
are described. There are 11 references: 7 Soviet, and 4 English.

TABLE OF CONTENTS: None given (book divided as follows).

1

Introduction

Card 1/3

SOV/3699

Argon Arc Welding (Cont.)

I.	Manual Argon Arc Welding of Titanium	2
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1.	Welding with a tungsten electrode without the use of filler metal	16
2.	Automatic welding with a consumable electrode	21
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III.	Soldering of Titanium	27
1.	Surface properties of titanium and their effect on the soldering process	27
2.	Solders	31
3.	Fluxes and protective gases	32
4.	Recommendations on the brazing of titanium	32
a)	Preparation of work for brazing	32
b}	Methods of heating	33
c)	Preparation of fluxes	33
d)	Techniques of brazing	33
5.	Methods of soldering titanium	34

Card 2/3

88661

S/137/60/000/012/018/041
A006/A001

12300

Translation from: Referativnyy zhurnal, Metallurgiya, 1960, No.12, p.135, # 291³⁴

AUTHOR: Fatiyev, I.S.

TITLE: Manual Argon-Arc Welding of Titanium

PERIODICAL: Tr.Nauchno-tekhn.o-va sudostroit.prom-sti, 1959, No. 33, pp.93-102

TEXT: The author established the effect of basic technological factors in argon-arc welding with tungsten electrodes on the properties of weld joints of commercial Ti. In welding on d-c of direct polarity in argon of composition I, containing 0.27% N₂ and 0.05% O₂, there is an optimum gas consumption assuring high quality weld joints. Conditions of welding 0.5 - 10 mm Ti sheets are described. To obtain highly plastic welds it is necessary to use filler metal containing $\leq 0.05\%$ O₂, 0.02% N₂ and 0.001% H₂. Annealing in a vacuum of the filler metal or the weld increases sharply a_k of the seam metal (from 3-4 to 7-8% kg/cm²). The following welded structures of Ti are listed: a screw propeller, a high pressure cylinder, a sylphon and a tubular structure. G.N.

Translator's note: This is the full translation of the original Russian abstract.

Card 1/1

ABOLINA, G.I., kand.sel'skokhozyaystvennykh nauk; FATKHULLAYEV, D.Z.

Mamure-soil composts for potatoes and vegetables in Uzbekistan.
Agrobiologiya no.6:821-826 N-D '61. (MIRA 15:2)

1. Institut ovoshche-bakhchevykh kul'tur i kartofelya, Tashkent.
(Uzbekistan--Potatoes--Fertilizers and manures)
(Uzbekistan--Vegetables--Fertilizers and manures)
(Compost)

FATKHULLAYEV, I.

Fatkhullayev, I. - "The Toxicology of Cadmium (The Effects of Cadmium on the Cardiovascular System)." Tashkent State Medical Inst imeni V. M. Molotov. Tashkent, 1955 (Dissertation for the Degree of Candidate in Medical Sciences).

So: Knizhnaya Letopis', No. 10, 1956, pp 116-127

FATKHULLAYEV, I.

Hypotensive action of cadmium chloride in experiments on dogs.
Izv. AN Uz. SSR. Ser. med. no. 6:25-27 '59. (MIRA 13:4)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut.
(HYPOTENSION) (CADMIUM CHLORIDE--PHYSIOLOGICAL EFFECT)

FATKHULLAYEV, I., starshiy nauchnyy sotrudnik

Toxicology of cadmium chloride. Med. zhur. Uzb. no. 7:58-60 Jl '61.
(MIRA 15:1)

1. Iz Instituta krayevoy eksperimental'noy meditsiny AN UzSSR
(dir. - doktor med.nauk G.M.Makhkamov).
(CADMIUM CHLORIDE_TOXICOLOGY)

KEL'GINBAYEV, N.S.; FATHULLAYEV, I.

Some pharmacological data on Russian straphanthin K.
Trudy Inst. kraev. eksper. med. no.5:158-160 '63.

Myotropic effect of new cardiac glycosides. Trudy Inst.
kraev. eksper. med. no.5:161-163 '63. (MIRA 17:6)

FATKULLAYEV, I.; KIL'INOV, M.

Effect of strophanthin K on some factors of blood coagulation.
Trudy Inst. kraev. eksper. med. no.5:169-172 '63.
(MIRA 17:6)

KOZYREV, N.; FETKISHEVA, I.

Effect of Russian strychnine K on the secretory function of
the stomach. Trudy Inst. kren. eksper. med. no.5:173-174 '63.
(MIRA 17:6)

-FAT'KIN, Aleksandr Maksimovich, traktorist; SELEZNEV, N.G., red.; FULIN, L.I., tekhn. red.

[Without manual labor] Bez ruchnogo truda. Tula, Tul'skoe knizhnoe izd-vo, 1960. 11 p. (MIRA 14:9)

1. Kolkhoz "Vpered k kommunizmu" Kurkinskogo rayona (for Fat'kin).
(Corn (Maize)) (Agricultural machinery)

FAT'KIN, D. F. (Engr)

"Method for Determining the Capacity and Location of a Station in a Regionalized City Telephone Network." Cand Tech Sci, Moscow Electrical Engineering Inst of Communications, Faculty of Telephone and Telegraph Communications, 1953-1954. (VS, Feb 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: SUM No. 556, 24 Jun 55

PAT'KIN, D.F., kandidat tekhnicheskikh nauk.

Graphic method of determining the most advantageous capacity and
location for a new city telephone exchange. Vest.sviazi 14 no.2:
12-13 F '54. (MLRA 7:5)

1. Starshiy prepodavatel' MEIS. (Telephone stations)

KARMAZOV, Mikhail Grigor'yevich; YEFIMOV, Nikolay Semenovich; METEL'SKIY,
G.B., dotsent; retsenzent; ~~FAT'KIN, D.F.~~, dotsent, retsenzent;
THAUBENBERG, I.A., prepodavatel', retsenzent; BAZYK, V.K., prepoda-
vatel', retsenzent; FRAYFEL'D, G.Ya., prepodavatel', retsenzent;
STOYANOV, M.N., otv.red.; KAZ'MINA, R.A., red.; KARABILOVA, S.F.,
tekhn.red.

[Organizing and planning a local telephonic system] Organizatsiya
i planirovanie mestnoi telefonnoi sviazi. Moskva, Gos. izd-vo lit-ry
po voprosam sviazi i radio, 1959. 212 p. (MIRA 12:12)

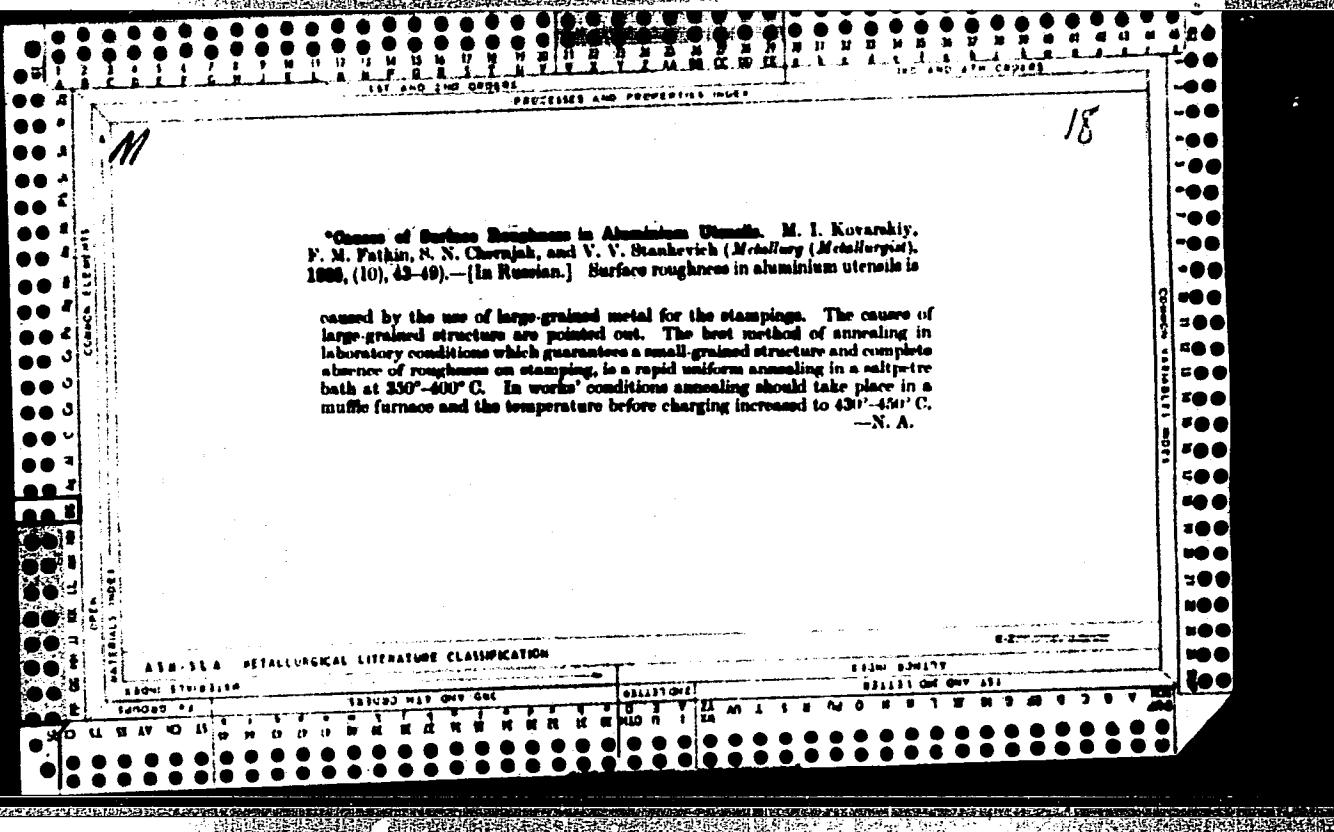
1. Kafedra Organizatsii i ekspluatatsii elektrosvyazi Moskovskogo
elektrotekhnicheskogo instituta svyazi (for Fat'kin, Traubenberg).
2. Kafedra ekonomiki svyazi Odesskogo elektrotekhnicheskogo instituta
svyazi (for Basyk, Frayfel'd).
(Telephone)

SOKOLOV, Vassiliy Vasil'yevich; FAT'KIN, D.F., otv.red.; BALAKIREV, A.F.,
red.; MARKOCH, K.G., tekhn.red.

[Urban telephone lines] Liniï gorodskikh telefonnykh setei.
Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1959.
303 p.
(Telephone lines)

TINTMAN, Nukhim Israilevich; GUSEV, Simon Stepanovich; FAT'KIN, D.F.,
kand. tekhn. nauk, retsenzent; SHTEYNHERG, A.L., inzh.,
retsenzent; YAKUB, Yu.A., kand. tekhn. nauk, otv. red.;
ULANOVSKAYA, N.M., red.; MARKOCH, K.G., tekhn. red.

[Wire communications] Provodnaia sviaz' Moskva, Svias'izdat,
1962. 290 p. (MIRA 16:1)
(Telephone) (Telegraph) (Teletype)



m.a.

12

*The Establishment of an Annealing Procedure for Aluminum Alloys
(Hollow Cylinders) After Stamping. F. M. Egorin. *Metalurgiya*, No. 1, 1939, (4, 5), 52-56.—[In Russian.] It has been determined that the annealing treatment required by hollow aluminum cylinders (no. 60, grade 1) is as follows: (1) with hemispherical bottom (170 mm. diameter \times 200 mm. high) and (6) with hemispherical top (170 mm. diameter; radius of bottom 50 mm.; height of cylindrical part 100 mm.); (2) diameter: radius of bottom 50 mm.; height of cylindrical part 100 mm.; (3) deep drawn from 1-mm.-thick sheet, is 15 seconds in a 4 kW. furnace at 450° C., or, better, 30-40 minutes at 230° C. in a muffle furnace at 1.5 A.

1943

18.

M.A.

*The Determination of the Limiting Coefficient of Reduction in Drawing.
F. M. Fat'kin [Tehn. Metallprom. (Met. Ind. Herald), 1933, 18, (10), 50-56].
(In Russian!) The coeff. of reduction is defined as the ratio of the diameter
of the pressing to that of the blank. On the basis of experiments described
here on the drawing of small hollow cylinders, F. recommends as permissible
the following coeffs. of reduction for various diameters of blank (in mm):
aluminum : 40.5, 0.49; 118, 0.510; 180, 0.523; 260, 0.54; 330, 0.56;
400, 0.58; copper : 41.5, 0.488; 120, 0.500; 194, 0.515; 265, 0.53; 336,
0.55; 405, 0.57; brass L82 : 43, 0.493; 126, 0.480; 202, 0.495; 275, 0.51;
350, 0.53; 418, 0.55. - N. D. V.

1943

TS250.F3

Stamping non-ferrous metals and alloys Moskva, Gos. nauchno-tekhn, izd-vo lit-ry po chernoi i svetnoi metallurgii, 1952. 284 p. (54-18342)

TS250.F3

FATKIN, K.I.

The fact that the low shores of the Dniester are increasingly subject to floods as proof of present-day subsidence of adjacent areas of the northern Black Sea region. Izv.AN SSSR Ser.geog. no.1:79-85 Ja-F '56. (MLRA 9:7)

1. Vologodskiy gosudarstvennyy pedagogicheskiy institut imeni V.M. Molotova.
(Dniestr Valley--Subsidence (Earth movements)) (Black Sea region--Subsidence (Earth movements))

FATKIN, K. I.

AUTHOR: Isachenko, A.G. SOV-12-90-4-5/22

TITLE: About the "Zonal Conception" of K.I. Fatkin (O "zonal'noy kontseptsii" K.I. Fatkina)

POLITICAL: Izwestiya Vsesoyuznogo geograficheskogo obshchestva, 1958,
Vol 90, Nr 4, pp 349-351 (USSR)

ABSTRACT: K.I. Fatkin published the article "On Geographical Zonality of the Dry Land" in the 1957, Nr 2 issue of this periodical. He attacked some of the findings of A.G. Isachenko, author of the present article. The author, in his turn, attacks the point of view of Fatkin, that the main factor of zone and landscape forming is the climate; all other factors are of lesser importance. There are 5 Soviet references.

1. Physical geography--USSR

Card 1/1

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S/245/62/000/003/001/002
I058/I258

97800

AUTHORS:

Kirillov, N.Ye. and Patkin, L.V. (Moscow)

TITLE:

Experiments in identification of speech sounds by
automatic machines

PERIODICAL: Voprosy psichologii no.3, 1962, 45-55

TEXT: This paper analyses spoken word characteristics with a view to using direct aural input with certain types of electronic computers. A spectral analysis of speech is insufficient to identify phonemes. The authors propose a system based on current sound reception theory - progressing from a modified spectral analysis to pulse coding and thereby to space-time coding. The speech "oscillogram" is amplified and limited to give a train of rectangular waves. These waves are integrated to form a saw-tooth wave of varying peak amplitude and period. The peaks are clipped and each peak above a clipping level induces a pulse, forming into a rectangular wave form whose amplitude in a given interval is proportional to the number of pulses in that interval. This final wave form is used to classify

Card 1/2

MAYZEL', N.I. (Moskva); FATKIN, L.V. (Moskva)

Conference on the philosophical problems of cybernetics. Vop.
psikhol. 8 no.5:184-189 S-0 '62. (MIRA 16:5)
(Cybernetics—Congresses)

L 60132-65 ENT(d)/EXP(v)/EXP(k)/EXP(h)/EXP(l)
ACCESSION NR: AF5010692

Pf-4 JXT(BF)
UR/0245/65/000/002/0003/0016

AUTHOR: Zinchenko, V. P. (Moscow); Mayzel', N. I. (Moscow); Fatin, L. V. (Moscow)

TITLE: Operator activity under information search conditions

SOURCE: Voprosy psichologii, no. 2, 1965, 3-16

TOPIC TAGS: information processing, information control system,
applied psychology, automatic control equipment

ABSTRACT: Quantitative methods of evaluating the activities of a human operator in an information control system are presented. The paper is primarily concerned with more complex information control systems in which the quantity of input data greatly exceeds the quantity of output data and the operator plays an active role in the solution of a given problem. The information search process is divided into 4 stages: 1) receiving a request for service, 2) actual search, 3) primary data processing, and 4) selection of primary response action. The formulas given for determining the quantity of data processed at each stage make it possible to: 1) compare the working efficiency of operators in solving different problems, 2)

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select the optimal number of code symbol alphabets, and 3) find frequency limits of data changes. The suggested methods are applicable only under the following conditions. Information search problems must have an information field of at least 10 or more elements. The alphabet symbols must be easy to distinguish to ensure instant recognition. Operating conditions should be close to stationary with no possibility of condition states or symbol codes changing while work is in progress. The proposed methods of evaluating an operator's activities in an information control system are important in developing more efficient control systems. Orig. art. has: 3 figures and 9 formulas.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: PH, DP

NR REF Sov: 009

OTHER: 005

Card 2/2

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CIA-RDP86-00513R000412510008-0

ZINCHENKO, V.P. (Moskva); MAYZEL', N.I. (Moskva); FATKIN, L.V. (Moskva)

Quantitative evaluation of operator's work in problems of search for
information. Vop. psichol. 11 no.3:62-74 My-Je '65. (MIRA 18:7)

APPROVED FOR RELEASE: 08/22/2000

CIA-RDP86-00513R000412510008-0"

FATKIN, M.A.

Equipment used for cleaning headers. Izobr. i rats. no.8:12
Ag '58. (MIRA 11:9)
(Mine drainage)

FAT'KIN, N. F.

Fet'kin, N. F. "A plastic operation for paralysis of the facial nerve [in horses?],"
Trudy Alma-At. vet.-zootekhn, in-ta, Vol. V, 1949, p. 226-27

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)